

DaimlerChrysler AG

Patent claims

5    1. A connection between two parts (2, 3), in particular in a motor vehicle, the two parts (2, 3) being connected to one another in a connection zone (5) via a plastic connection (6) consisting of an injection-molded plastic (8), characterized in that, 10 moreover, the two parts (2, 3) are connected to one another in the connection zone (5) via an adhesive connection (7) consisting of a cured adhesive (9).

15    2. The connection as claimed in claim 1, characterized in that that the adhesive connection (7) is encased by the plastic connection (6).

20    3. The connection as claimed in claim 1 or 2, characterized in that at least one of the parts (2, 3) has, in the connection zone (5) at least one passage orifice (12) which is filled with the plastic (8) of the plastic connection (6).

25    4. The connection as claimed in one of claims 1 to 3, characterized in that at least one of the parts (2, 3) consists of metal.

30    5. The connection as claimed in one of claims 1 to 4, characterized in that at least one of the parts (2, 3) has a surface coating at least on one side.

6. The connection as claimed in one of claims 1 to 5, characterized in that at least one of the parts (2, 3) is a metal sheet.

35

7. The connection as claimed in one of claims 1 to 6, characterized in that at least one of the parts (2, 3) is a coil-coated metal sheet.

8. A method for the connection of two parts (2, 3), in particular in a motor vehicle,

- in which a curable adhesive (9) is applied in a connection zone (5) of the two parts (2, 3),

5 - in which the two parts (2, 3) are injection-molded around with a plastic (8) in the connection zone (5), in order to produce a plastic connection (6) connecting the two parts (2, 3) to one another,

10 - in which the adhesive (9) cures while the two parts (2, 3) are being connected to one another via the plastic connection (6), in order to produce an adhesive connection (7) connecting the two parts (2, 3) to one another.

15 9. The method as claimed in claim 8, characterized in that

- an adhesive (9) is used, the curing process of which can be initiated thermally, and in that

- the curing process is initiated by the injection molding of the plastic (8).

10. The method as claimed in claim 8 or 9, characterized in that, during the curing of the adhesive (9), the two parts (2, 3) are removed from an injection mold (13), into which they were inserted for the injection molding of the plastic (8) at least in the region of the connection zone (5).

11. The method as claimed in one of claims 8 to 10, 30 characterized by at least one of the characterizing features of claims 2 to 7.